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INSTALLATION MANUAL

DEQ-P7050

安裝手冊

This product conforms to new cord colors.
本產品適合於新型軟線顏色。

PRINTED WITH SOY INK

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Note:

- This unit is for vehicles with a 12-volt battery and negative grounding. Before installing it in a recreational vehicle, truck, or bus, check the battery voltage.
- To avoid shorts in the electrical system, be sure to disconnect the ⊖ battery cable before beginning installation.
- Refer to the owner's manual for details on connecting the power amp and other units, then make connections correctly.
- Secure the wiring with cable clamps or adhesive tape. To protect the wiring, wrap adhesive tape around them where they lie against metal parts.
- Route and secure all wiring so it cannot touch any moving parts, such as the gear shift, handbrake and seat rails. Do not route wiring in places that get hot, such as near the heater outlet. If the insulation of the wiring melts or gets torn, there is a danger of the wiring short-circuiting to the vehicle body.
- Don't pass the yellow lead through a hole into the engine compartment to connect to the battery. This will damage the lead insulation and cause a very dangerous short.
- Do not shorten any leads. If you do, the protection circuit may fail to work when it should.
- Never feed power to other equipment by cutting the insulation of the power supply lead of the unit and tapping into the lead. The current capacity of the lead will be exceeded, causing overheating.
- When replacing fuse, be sure to use only fuse of the rating prescribed on the fuse holder.
- Since a unique BPTL circuit is employed, never wire so the speaker leads are directly grounded or the left and right ⊖ speaker leads are common.
- Speakers connected to this unit must be high-power types with minimum rating of 50 W and impedance of 4 to 8 ohms. Connecting speakers with output and/or impedance values other than those noted here may result in the speakers catching fire, emitting smoke or becoming damaged.
- When this product's source is switched ON, a control signal is output through the blue/white lead. Connect to an external power amp's system remote control or the car's Auto-antenna relay control terminal (max. 300 mA 12 V DC). If the car features a glass antenna, connect to the antenna booster power supply terminal.
- When an external power amp is being used with this system, be sure not to connect the blue/white lead to the amp's power terminal. Likewise, do not connect the blue/white lead to the power terminal of the auto-antenna. Such connection could cause excessive current drain and malfunction.
- To avoid short-circuiting, cover the disconnected lead with insulating tape. Especially, insulate the unused speaker leads without fail. There is a possibility of short-circuiting if the leads are not insulated.
- To prevent incorrect connection, the input side of the IP-BUS or optical cable connector is blue, and the output side is black. Connect the connectors of the same colors correctly.
- If this unit is installed in a vehicle that does not have an ACC (accessory) position on the ignition switch, the red lead of the unit should be connected to a terminal coupled with ignition switch ON/OFF operations. If this is not done, the vehicle battery may be drained when you are away from the vehicle for several hours.

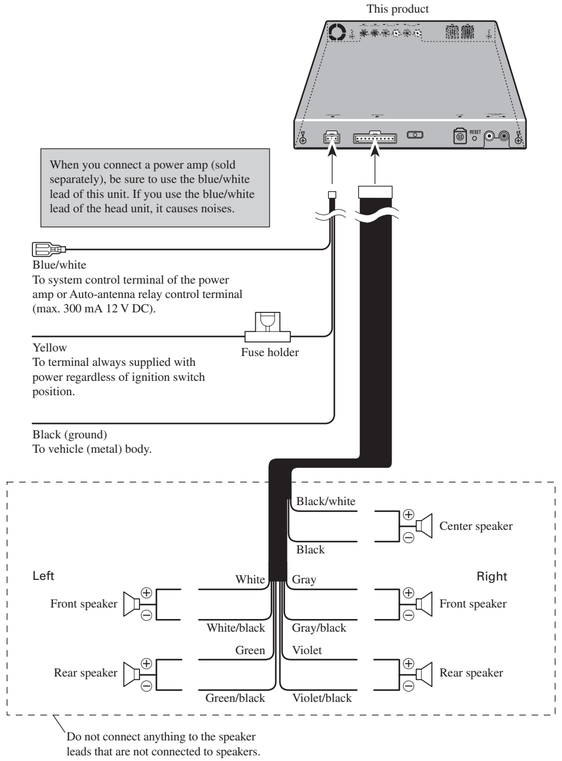
ACC position

No ACC position

- The black lead is ground. Please ground this lead separately from the ground of high-current products such as power amps.
  If you ground the products together and the ground becomes detached, there is a risk of damage to the products or fire.
- To ensure proper heat dissipation of this product, take special care not to block the cooling fan side of this product.

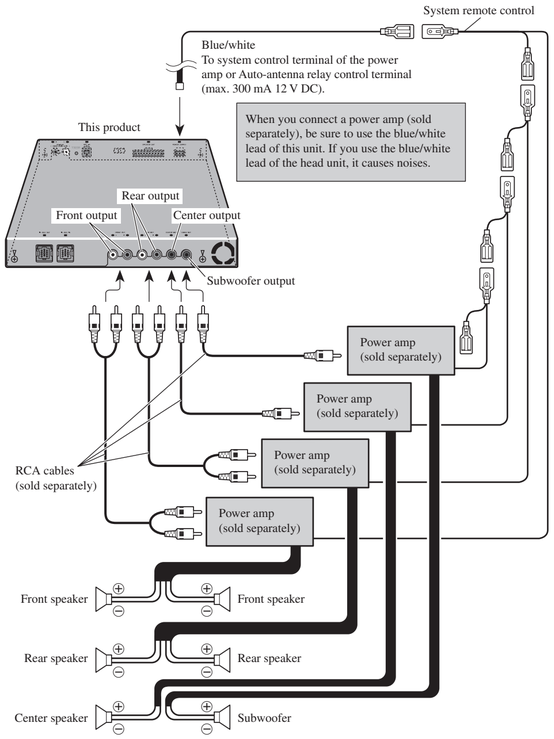
- Cords for this product and those for other products may be different colors even if they have the same function. When connecting this product to another product, refer to the supplied Installation manuals of both products and connect cords that have the same function.

Connecting the power cord

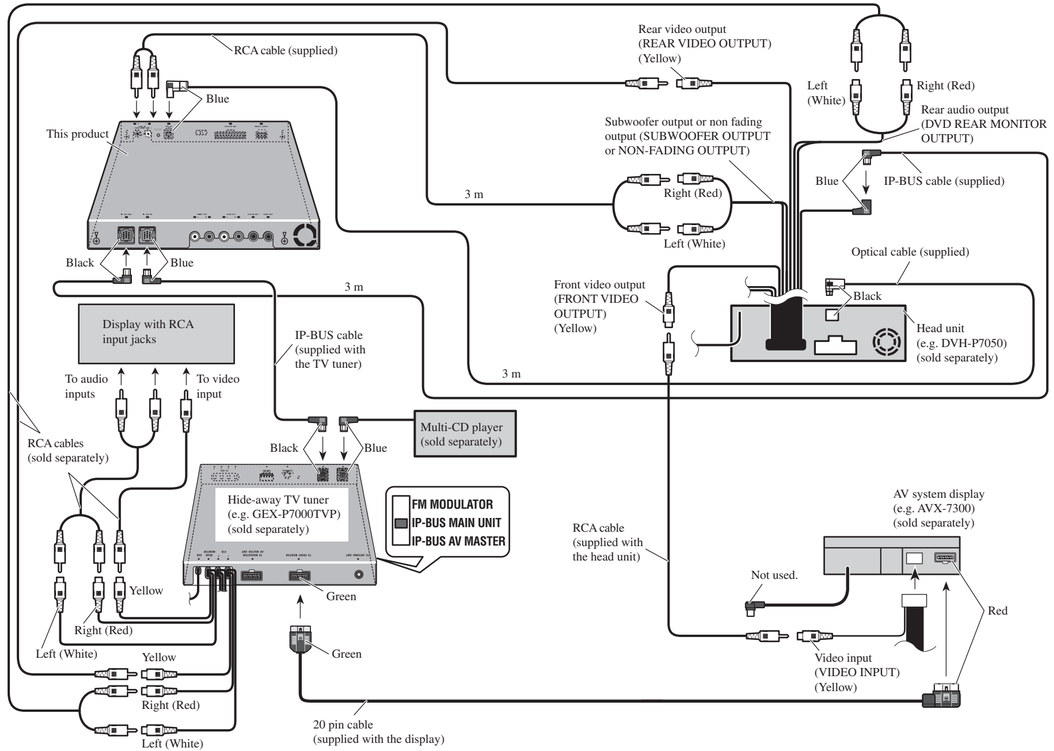

This product
When you connect a power amp (sold separately), be sure to use the blue/white lead of this unit. If you use the blue/white lead of the head unit, it causes noises.
Blue/white
To system control terminal of the power amp or Auto-antenna relay control terminal (max. 300 mA 12 V DC).
Yellow
To terminal always supplied with power regardless of ignition switch position.
Fuse holder
Black (ground)
To vehicle (metal) body.
Black/white
Black
Center speaker
Left
Right
White
Gray
Front speaker
Front speaker
White/black
Gray/black
Green
Violet
Rear speaker
Rear speaker
Green/black
Violet/black
Do not connect anything to the speaker leads that are not connected to speakers.

Connecting to a sold separately power amp

This product can be connected to a sold separately power amp using the RCA output jacks.


System remote control
Blue/white
To system control terminal of the power amp or Auto-antenna relay control terminal (max. 300 mA 12 V DC).
When you connect a power amp (sold separately), be sure to use the blue/white lead of this unit. If you use the blue/white lead of the head unit, it causes noises.
This product
Rear output
Front output
Center output
Subwoofer output
Power amp (sold separately)
Power amp (sold separately)
Power amp (sold separately)
Power amp (sold separately)
RCA cables (sold separately)
Front speaker
Front speaker
Rear speaker
Rear speaker
Center speaker
Subwoofer

Connecting the system

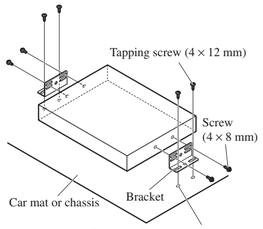


Note:

- Before finally installing the unit, connect the wiring temporarily, making sure it is all connected up properly, and the unit and the system work properly.
- Use only the parts included with the unit to ensure proper installation. The use of unauthorized parts can cause malfunctions.
- Consult with your nearest dealer if installation requires the drilling of holes or other modifications of the vehicle.
- Install the unit where it does not get in the driver's way and cannot injure the passenger if there is a sudden stop, like an emergency stop.
- When mounting this unit, make sure none of the leads are trapped between this unit and the surrounding metalwork or fittings.
- Do not mount this unit near the heater outlet, where it would be affected by heat, or near the doors, where rainwater might splash onto it.
- Before drilling any mounting holes always check behind where you want to drill the holes. Do not drill into the gas line, brake line, electrical wiring or other important parts.
- If this unit is installed in the passenger compartment, anchor it securely so it does not break free while the car is moving, and cause injury or an accident.
- If this unit is installed under a front seat, make sure it does not obstruct seat movement. Route all leads and cords carefully around the sliding mechanism so they do not get caught or pinched in the mechanism and cause a short circuit.

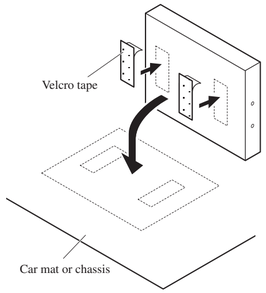
Installing the unit

Mounting with brackets



Mounting with velcro tape

Thoroughly wipe off the surface before affixing the velcro tape.



Routing the optical cable

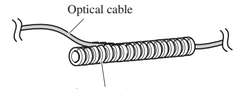
Precaution:

- Try not to bend the optical cable sharply. If it is necessary to bend it sharply, make sure that the bending radius is at least 25 mm, otherwise the cable will not transfer signals properly and so this unit will not work properly.
- Route the optical cable so that nothing heavy rests on it, and so that it cannot be stepped on or caught in anything – for instance, a door.
- Make a loop of diameter at least 200 mm with the remaining optical cable so that the cable does not get strained.
- When plugging the optical cable into the unit, use the supplied cable clamps to prevent the cable from being bent sharply.
- Route the optical cable so that it does not get caught in moving parts such as the gear shift, hand brake, or seat sliding mechanism. Keep the cable away from hot spots, such as near the heater outlet.

Using the corrugated tube

To prevent the optical cable from being strained, use the corrugated tube after cutting it to the correct length.

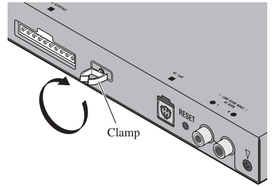
- **Insert the optical cable into the corrugated tube.**



Mounting the clamp

The clamp is used to secure the optical cable when using it. The other clamp is installed on the back side of the head unit similarly and used to secure the optical cable.

1. **Insert the clamp in the direction indicated in the figure, and turn it 90 degrees to lock.**



2. **Secure the optical cable.**